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	. March				
50 TGAGCCACGA TCAGCCAGGA TGAGCCACGA	GCGATGGTCT GTGCTCTGG GGGATGTTCT GGCATGTTCT	TATCATTITI CTTCTATITI CATCGTGTTT GATCGTGTTC	PACAAGCTACCAG AACAAGCCAC GGGTACCTC 250	GCTACTGTTTT GTCACAATICTT GCCACGGTTTTT GCCACAGTICTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	TCAGGAGTAT TCAGGAGTAC TCAGGAATAT TCAGGAGTAC
40 ccccccracmec TACCCCCMCT cccccccmTC	CTCCTGTGTG CTTCTGCCTG CTCCTGCGTG CTCCTGCGTG	CAABAGCTTC CCABGACTGC CACBAGCATC CCCBGATGTC	GCAPCAGAAG ACAGCAGA GCAGCAGAGG AGCGGAAG	CAAAGATITTG TAAGGACCTG CAAAGATITTG CAAAGATICTG	ATGCCGTPAT ATGCTGTGT ATGCCACAAT ACGCCACCAT
30 CACCAAGAGC CGAAAAGT CACCAAGAAG	CGGACATCGT CGGACATCGC CGGACATCGT CGGATATGGT	GAGATAAGGG GAGGTOAGAG GAGGGAAGAG GAGGGOAGGG	CAGCCTCCGA TAGCGTGCCT TGCTGTCCCT CGTTGTCCCT 230	ACTATGGCAT ACTATGGCCC ATTATGGTGT ATTATGGGGT	ATAATTATTO ATCATCTTGC ATCATTATTO ATCATCATTC
20 GCAAGAAAG GCAGGAGA GTAAGAAGAG GCAAGAAGAA	CAGNATICA CG CACPACCATG CAGAATICATG CAGAACCACG	GCTCATGTTT GCTTATGTTC GCTTATGTTC ACTTATGTTC ACTTATGTTC	AGTACAATGT AGTATAACAT AGCACAGTGT AGCATGGAGT	TCCCTTTATT CACTACC TCCCTCTATT ACCCTTTACC ACCCTTTACC 270	GCTAGTGGG CTTCATCACC GCTGGTGGCA GCTGGTGGCC
10 AYGGGGATTO AYGGGGCTTTCC AYGGGGCTCCC AYGGGGCTCCC	ATTO GITCOTO GITTO GITCOTO ATTO ATTO ATTO ATTO ATTO ATTO ATTO A	TCCTGCTGGG TCCTGCTGGG TCCTGCTGGG	GHTRACTCTTC ANTITAGCTC CTCACTCTTC CTCACCCTCC CTCACCCTCC	TGAANGAG TGAGAGCGIG GGCGIGAAAG GGGGIGCAGG	TCTTCTACAT TGTTCTACAT TCTTCTACAT TCTTCTACAT
нене	51 . 51 51	101 101 101 101	151 151 151 151	201 201 201 201	251 · 251 251 251
HTRAM.DNA KIAAOO57.DNA HWAR1.DNA RWAR1.DNA	HTRAM.DNA KIAAOO57.DNA HWAR1.DNA RWAR1.DNA	HTRAM.DNA KIAAOO57.DNA HWAR1.DNA RWAR1.DNA	HTRAM.DNA KIAA0057.DNA HWAR1.DNA RWAR1.DNA	HTRAM.DNA KIAA0057.DNA HWAR1.DNA RWAR1.DNA	HTRAM.DNA KIAA0057.DNA HWAR1.DNA RWAR1.DNA



Fig. 1 (cont.)

HTRAM. DNA	301	ATIGITTICGATTA	AAAGTAAGAG	GCGAATGCAC	THCTCCAAAA	CAPARCACIAG	350
KIAA0057.DNA	301	AUTIMAGAMA		ACGGCIT CAT	CITCICCAAAG	TCAAACACAG	350
HWAR1. DNA		GREEFIGGATA			TTCACCAAAG	CCAAACAAA	350
RWAR1.DNA	301	GIGCIDAGAMA	AGCINCAGOCG	GAGACTGCAG	CTCACCAAAG	GCAAACAAAA	350
		360	370	380	390	400	
HTRAM. DNA	351	CAAGTTTAAT	GAATCTGGTC	AGCTTAGTGC	GTTCTACCTT	num G G CT GT G	400
KIAA0057.DNA	351	CAAGTTTCAAT	GAATCTGGAC	AGCTGGTCGT	CINTCATING	ACC IIC GGTG	400
HWAR1.DNA	351	CAAGTTTAAC	GAGTCTGGTC	AGTTTAGTGT	GTTCTACTTT	ттттсптспа	400
RWAR1.DNA	351	CAAANTIGAAT	<u> GA</u> GG <mark>GG</mark> GG	AGCTGAGTGT	GITTCTACALLA	GIIGHCII GERA	400
		410	420	430	440	450	
HTRAM. DNA	401	TTTGGGGCAC	ATTCATTCTC	ALCTCTGAAA	ACTIA GATICITO	AGACCCAACT	450
KIAA0057.DNA	401	TWYGGTGGTT	CINACGINGGING	GIIGAGGGAAG	GAMACTMAAC	PARCCCANGA	450
HWAR1.DNA	401	TTTGGGGCAC	AUTICATUITINA	ATCTCTGAAA	ACTGCCTGTC	AGACCCAACT	450
RWAR1.DNA	401	TCTGGGGTAT	GATCATTICTE	GCCTCTGAGA	ACTGCCTGTC	AGACCCCACT	450
		460	470	480	490	200	
HTRAM. DNA	451	ATCTTATGGA	GGGCTTATICC	CCATAACCTG	ATGACATTTC	AAATGAAGTT	200
KIAA0057.DNA	451	AGGCIICTIGGS	PAGACTACCC	GCAMGTGCAC		AGGTGAAGTT	200
HWAR1.DNA	451	CHTATATGGA	AGGCTCGTCC	CCATTAGGAING	ATGACATTTC	APATGAAGTT	200
RWAR1.DNA	451	CIIAITIGITGGA	AGT OTO A GOO	CCACAACARG	ATGACATTTC	AGATGAAATT	200
		510	520	530	540	550	
HTRAM. DNA	501	TTTCTACATA	TCACAGCTGG	CTTACTGGCF	TCATGCTTTT	CCTGAACTCT	550
KIAA0057.DNA	501	TTTCTACCTA	TGCCAGCTGG	CCIPACTIGGCII	GCACGCACINI	CCTGP COTAIN	550
HWAR1.DNA	501	TTTCTACATA	TCCCAGTTGG	CTTACTGGTT	TCATGCTTTT	CCTGAACTCT	550
RWAR1.DNA	501	TTTCTACATC	TCACAGITGG	CTTACTGGTT	TCATAGETTIC	CCGGAGCTCT	550
		560	570	580	590	009	



Fig. 1 (cont.)

		SAUT 600	SATT 600	650	TCA 650	3C G G 650	Arica 650	1ccs 650	700	1 TT CC 700	T. 200	100 100 100 100 100 100 100 100 100 100	100 700	750	750 750	311 750	240A 750	3111G 750	800	800	3CC	800 BO	11 800	850	<u>:</u>	85	85	C 1 C
팅	팅	ROPA OF TGROWACARW	GGGGGGAAGT CARGTACATT	640	TACCTITITICA ACTITICAATICA	CUCTUTAN ACCUGAGC	CTCTTGT ACTTGAAT	стсттет Асттелас	069		CINCAACINGAG INTOCUICIN	Intricentara Introduction	nec <u>nen</u> cene c <u>neen</u> cheed	740	AAAAGTAIICA GAAAGGATTT	AAAACAAGGA GAAACTGTTIC	ANANGTACCA GNANGGCATTA	AGCGGTACCA GAAAGGGTTG	790				AGACTICGTIGA GACTICATTIGT				9	PACE EVANTOCIONALE
Ю		OPAGE OPTICO COTOGORDA		630	TGCTGGAGCT TACC	AGCTGGAGCA TACC	TACTGGAGCT TANC	RGGAGGGGGC RATE	089	тестасатта птт	TGCTGCAGITA CIICA	DACTICCATUTA DITTE		730	TITTAGCAATG AAAA	TITT GCAGATG AAAA	TTTPAGTGATG AAAA	INTINGEGERNE AGCG	780				-		INGGCONTEC AAGA		1. 17	
P.P.P	A A G	MACCONANAMA O	AGTICAGGAAA O	620	TCTTCCACAT	TIGGTIGON TAU	1000	TCTTCCACAT	0.29	GITCTTCTGG II	Anctineenec in	CTTCTTTTGG IV		720	CCTGTTTTAT T	ACTICITATION IN	CCTGTTTTAC	CCTGCTTTAC IT	770	CAGINCO TINE D		CCAMPGE CITY IV				GCANTIGGON IN	7	TO CONTRACT HOW
	-0.0	1 ACTTCCAGAA	ACTTCCAGAA	610	1 GGINCITINACC	TGCCTGT			099	1 TOTAGGAOUT	1 conggood			710	1 ACATITECECE				760	1 TCTCTGTGGG	1 AGIIGCCIIGGG	1 TCTCTGTGGG	TCTTTGT	810		1 PICECONGONG		
S	<u>ن</u>	551	551		601	A 601	601	601		651	A 651	651	651		701	A 701	701	701		751	A 751	751	751		801	A 801	801	108
HTRAM. DNA	KIAA0057.DNA	HWAR1.DNA	RWAR1.DNA		HTRAM. DNA	KIAA0057.DNA	HWAR1.DNA	RWAR1.DNA		HTRAM. DNA	KIAA0057.DNA	HWAR1.DNA	RWAR1.DNA		HTRAM. DNA	KIAA0057.DNA	HWAR1.DNA	RWAR1.DNA		HTRAM. DNA	KIAA0057.DNA	HWAR1.DNA	RWAR1.DNA		HTRAM. DNA	KIAA0057.DNA	HWAR1.DNA	ATMU LOWER



	Fig. 1	(cont.)
006	950 950 950 950 1000 1000	1050 1050 1050 1100 1100 1100 1150 1150
AATCGCTGTT GCTCTGCGTG AATTGCTGTT AATCGCTGTT	ACTTCATTAA GCTTCATTAA ACTTAAATTAC CCTTGAACGAC 1000 -GCACCAACT AGTGCAAAGC -GTGTCATGT -GTGTCATGT	1050 TAAAAAAGGA CAAGAGAAAAAGGA GAGAAAAAGGC CAGACTCTCC GAACTCTCC GAACTCTCC TAGATTCTCC TAGATTCTCC
TAGGTETTAG TGTTTTGCAG TGGGAGCTAA TGGGAGCTAA	ATCATCEGA CICATCEGE CITAACATGGA ATTAACATGGA 990 TGCTTTTTCAG GAATGCAG GAATGCAG CAATGCAG CAATGCAG CAATGCAG CAATGCTTCAG CAATGCTTCAG CAATGCTTTCAG	1040 GCAGATCTTC CCAGGCTCATAGATCTTC -CAGGTC 1090 TCAAATGTAGGGCGCGCAGGGGGGGGGGGGGGGGGGGGG
TTCAATGTGT TTCAACACTT GTAAATGTGT GTCAATGTGT	TCAGGCATTT CCAGGCCTAG CCAGGTGTAC 980 GGGAACATTG GGGAATACTG TAGAAGATTC	1030 TAACTAA-AG AGACTAACAG TCG TCG TOG AGTCGTGAAC AGTCGTAACT AAII AAII CTCGCII CTCGC
TACTGGAAAC GAAAGGGAAAC TACTGGAAAT CTCTGGTAAT	TINGGGTINC TENGTEGCCC GINGGAGGINT 970 GCAAGGINGCA GCGCACINGCA GCGCACINGC GAGAGGINGC GAGAGGINGC GAGAGAINGC GAGAGAINGC GAGAGAINGC	1020 AACCA-ACAG AGCCACACCC AACGG CAGGG ATGAAATGG AAGTGGAG GAGTGGG AAACTCAAGT AAAGAGAAAT AAAGAGAAAT AAAGAGAAAT AAAGAGAAAT AAAGAGAAAT AAAGAGAAAT AAAGAGAAAT AAAGAGAAAAT AAAGAGAAAT
TceatrtGag Treatceca Createcca Gaaatector	CTGGGATGCA CTGCTGCTGCA CTGTCGTGCA CTGTCGCTGCA 960 960 CTCTCTGCCTT CTGTCGCTTT CGTCTGCTGCTTT	1010 Greagarda areaalaga Geregaraga acagararge Toregrearare acagararce acagararce acagararce acagararce acagararce acagararce acagararce acagararce acagararce
851 851 851	901 901 901 901 951 951	1001 1001 1001 1001 1051 1051 1101 1101
HTRAM.DNA KIAA0057.DNA HWAR1.DNA RWAR1.DNA	HTRAM. DNA KIAA0057. DNA HWAR1. DNA RWAR1. DNA HTRAM. DNA KIAA0057. DNA HWAR1. DNA	HTRAM. DNA KIAA0057. DNA HWARI. DNA HTRAM. DNA KIAA0057. DNA HWARI. DNA KTAA0057. DNA HTRAM. DNA



Fig. 2

	20	20	20	20		100	100	100	100		150	150	150	150		200	200	200	200	
50	BITAKASIIE	DVINKTAFL	EGTABASIVE	EGTABMSIVE	100	LIIHAVIQEY	HIT HAVVOEY	IIIHATIQEY	IIIHATIQEY	150	ISENYISDPT	VTDGYTNER	ISENCISDPT	ASENCLSDPT	200	B DI PRQLVYI	BE I PROLOYI	QDI PRQLVYI	ODIEGO IVI	250
40	AMVEDIGIME	VLCV I GIMI	GMEFLLGLVE	GMEEVLGLME	90	ATVFFYMLVA	VILLEVIFIT	ATVFFYMLVA	ATVFFYMLVA	140	TACVINGTIETT	TSVIMCEYVV	FSCIWGTFIL	VSCIWGMI II	190	PELY FOKTKK	PELY FOKVRK	PELYFOKTKK	PELY FOKVRK	240
30	QNHADIVSCV	HNHADIGECL	QNHADIVSCV	ONHADMVSCV	80	SLYYYGIKDE	WHYGPKDI	SLYYYGVKDL	TLYHYGVKDL	130	ESGOLSAFYL	ESGQLWVE HE	ESGCESVEYE	BAGOLSVEYI	180	SQLAYWLHAF	COLLAYWLEAL	SQLAYWFHAF	SQLAYWEHSE	230
20	PPVLSHEFVL	YELFSCEEVI	PPVLSOBEIL	PPVLSHEERW	70	ATEEOATESV	TADSETVH	AAEEQATGSK	A-BGLPSGSR	120	FSKTKHSKEN	LSKVKHSKEN	FTKAKONKEN	LTKGKONKIN	170	MTFQMKFFYI	LPECVKEEYL	MTFQMKFFYI	MTFQMKFFYI	220
10	MAIRKKSTKS	MAFRR-TKS	MGLRKKSTKN	MGIRKKNARN	09	VILCYNVTLE	ILPOYMISWE	HIN OHS WAVE	INTOHOM VI	110	MIDKINRRM	INDKISKRLH	VADKINKRMO	VIDKLSRRLO	160	ILWRAYPHNL	SIMEDYPHVH	I I WKAR PHSM	MANKSO PHINM	210
		Н	H	-		51	51	51	51		101	101	101	101		. 151	151	151	151	
•	HTRAM.AMI	KIAA0057.AMI	HWAR1.AMI	RWAR1.AMI		HTRAM.AMI	KIAA0057.AMI	HWAR1.AMI	RWAR1.AMI		HTRAM.AMI	KIAA0057.AMI	HWAR1.AMI	RWAR1.AMI		HTRAM.AMI	KIAA0057.AMI	HWAR1.AMI	RWAR1.AMI	



250 250 250 250 250	Fig. 2	(cont.)
0000	ന ന ന ന	(1) (1) (1) (1)
ESNEKYQKGE FADENNEKLE ESDEKYQKGI FGDERYQKGL	FINULAVRIAN FINTECRICY VINULARIAN VINULARIAN	TKGRSSKK PRLPARLIKRBR-SRSSKK
	ASU NOKLDFSTGN F NOAFDPEKGN F NRWPDATTGN V NRWGNATSGN V	
	VGEGLARAE N AIGEGLARME N VGLHLAGSO N VGLHLAGT- N	
YDINDSRIGI V YDINDSRIGI I YDIYDNHIGI D		MANNETHEOR RELATIONS OF THE COLUMN CO
GIYLEHIAGA VI CIYLVHIAGA VI GIHLEHIYGA VI GIHLEHIGGA VI		JASIGVTONE M LLEVORACON IN ISSSCTICON V' ISSSCSICON I' 360
201 C 201 C 201 C 201 C 201 C	251 251 251 251	301
HTRAM.AMI KIAAOO57.AMI HWAR1.AMI RWAR1.AMI	HTRAM.AMI KIAA0057.AMI HWAR1.AMI RWAR1.AMI	HTRAM.AMI KIAAOO57.AMI HWAR1.AMI RWAR1.AMI



Fig. 3

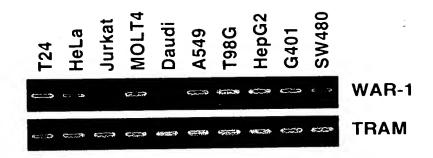
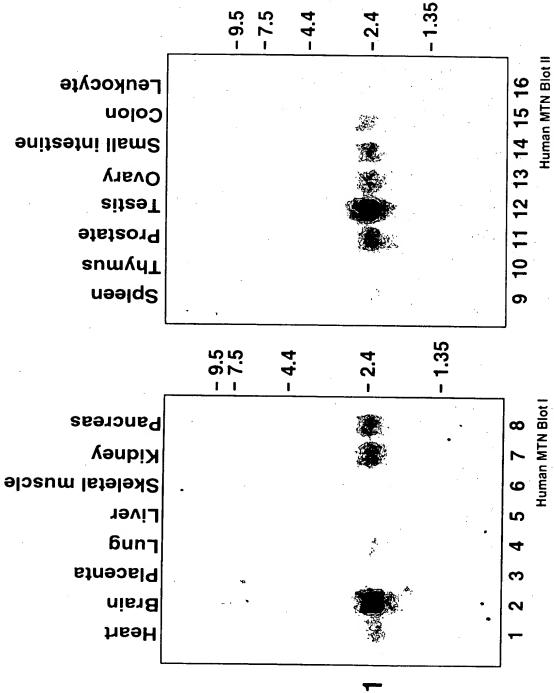




Fig. 4



hWAR1



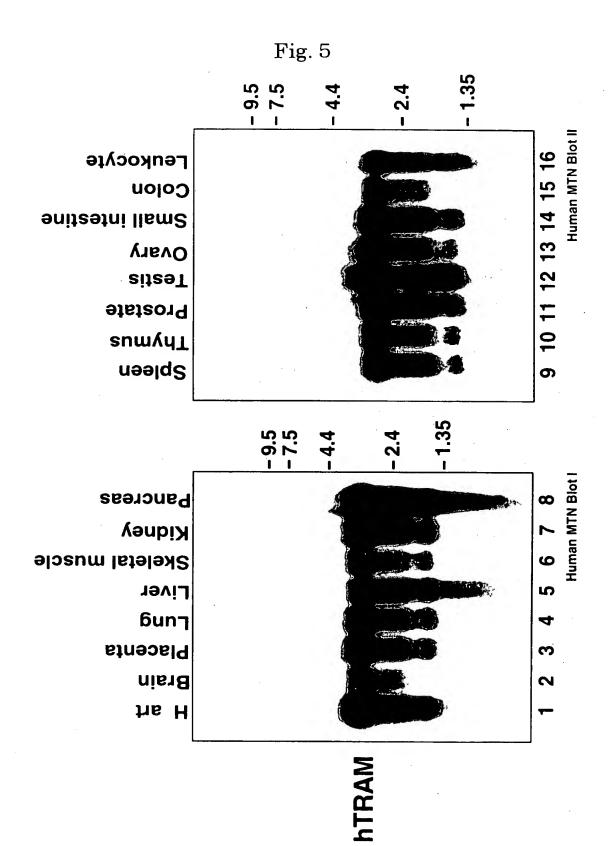




Fig. 6

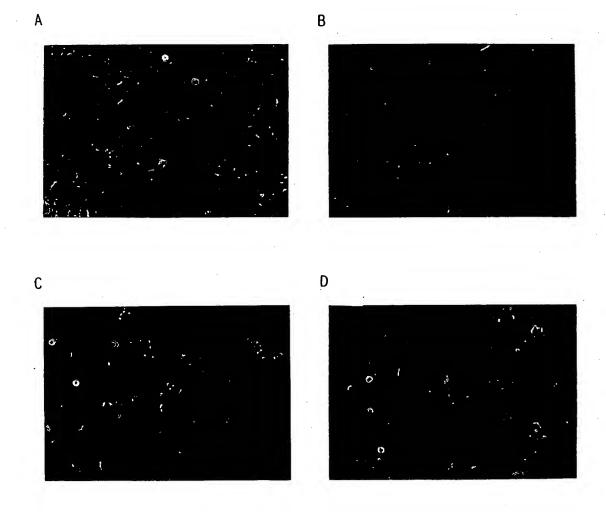




Fig. 7

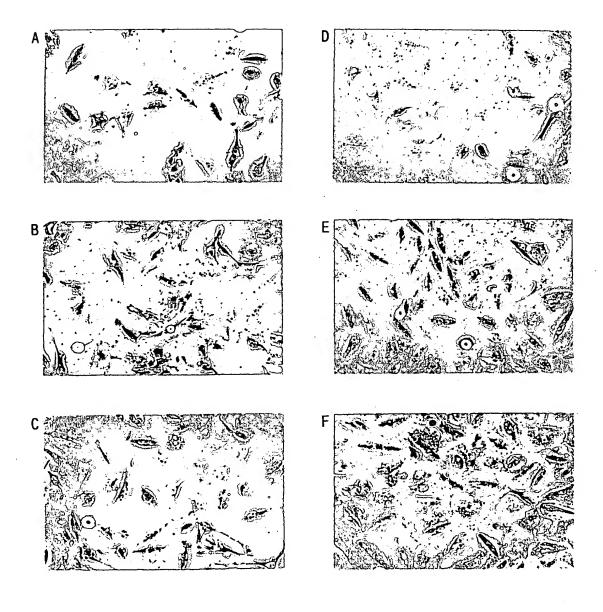




Fig. 8

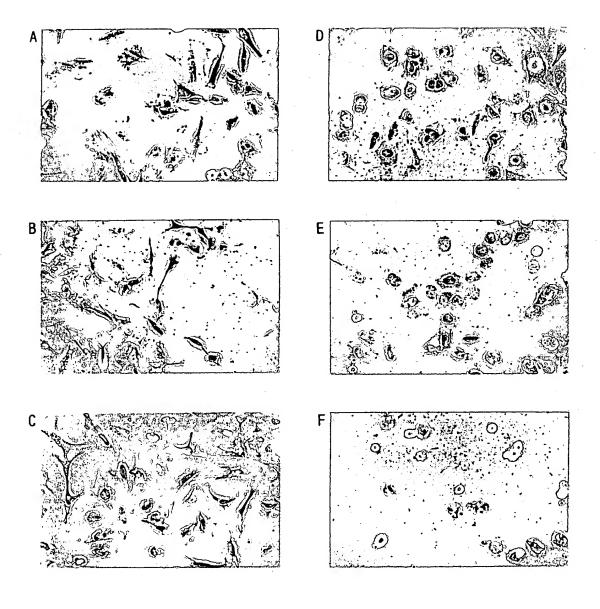




Fig. 9

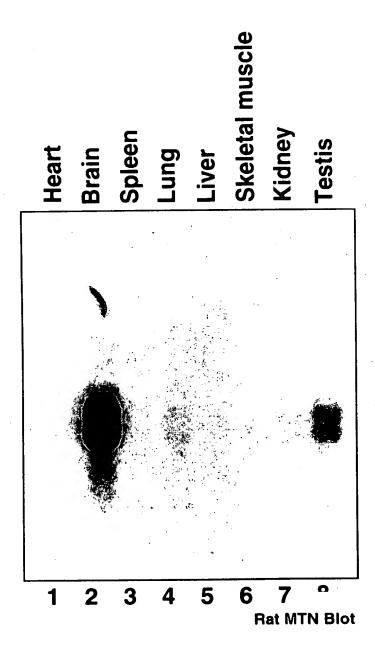




Fig. 1 0

1 2 3





Fig. 1 1

